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Custom Union Veterinary Requirements for Feeds of Plant Origin

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Sanitary/Phytosanitary/Food Safety
Grain and Feed
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Report Highlights:
The Custom Union developed unified veterinary requirements for feeds of plant origin. These requirements cover wheat, barley, oats, corn, peas, soybeans, tapioca, peanut meal, sunflower meal, and soybean meal imported to the Custom Union.

General Information:

The Custom Union (Belarus/Kazakhstan/Russia) continues developing and updating sanitary, veterinary and phytosanitary requirements for products imported to the Custom Union [i] . The last update of veterinary requirements for feeds of plant origin was made by the Custom Union Decision # 342 of August 17, 2010 (http://www.tsouz.ru/KTS/KTS18/Pages/P_342_5.aspx). The update changed the maximum allowed level of cadmium in sunflowerseeds meal from 0.1 mg/kg to 0.4 mg/kg, and added veterinary-sanitary requirements for soybean meal.

With updates, the veterinary-sanitary requirements for imported feeds of plant origin are given in the table below [ii] .

Veterinary-Sanitary Requirements for Feeds of Plant Origin
Imported to and/or Transported on the Territory of the Custom Union

The Custom Union allows imports from third countries and/or transport between countries – members of the Custom Union of most feed components, if these feeds originate and shipped from administrative territories (state, province, department, land, region, territory, etc.) that have been free from infectious animal diseases, such as the rinderpest (plague) of cattle and small ruminants, pest of camels, African and classical swine fever, African horse sickness, foot and mouth disease, smallpox of sheep and goats, highly pathogenic avian influenza, within a period of 12 months.

Feeds are imported or transported from the processing enterprises.

Feeds should not be toxic for animals.

Feeds should not contain grains with Fusarium symptoms of more than 1%, and heavy metals, mycotoxins and pesticides above the maximum allowed norms (see table below).

Table 1. Maximum allowed presence of toxic elements, mycotoxins, and pesticides for certain types of feed grains and other feed resources.

		Name of chemical	Maximum allowed presence, mg/kg
1	**Wheat, barley, oats:**		
	a) Toxic elements	Mercury	0.03
		Cadmium	0.1

		Lead	0.2
		Arsenic	0.2
	b) Mycotoxins:	Zearalenone	0.1
		T- 2 toxin	0.06
		Desoxynivalenol	1.0
		Aflatoxin B1	0.002
		Ochratoxin A	0.005
		The sum of aflatoxins B^1, B^2, G^2, G^2	0,004
	c) Pesticides	Data on the use of pesticides in production, storage and transportation of products are required from each country - supplier of products.	
2	**Corn:**		
	a) Toxic elements:	Mercury	0.02
		Cadmium	0,1
		Lead	0,2
	b) Mycotoxins:	Aflatoxin B1	0,002
		Zearalenone	0,1
		T-2toksin	0,06
		desoxynivalenol	1,0
		ochratoxin A	0,005
		The amount of aflatoxin B^1, B^2, G^2, G^2	0,01
	c) pesticides	Data on the use of pesticides in production, storage and transportation of products are required from each country - supplier of products.	
3	**Peas**		
	a) Toxic elements:	Mercury	0.02
		Cadmium	0,1
		Lead	0,5
		Arsenic	0,3
	b) Mycotoxins:	Aflatoxin B^1	0,05
		hexachlorocyclohexane (Alpha, Beta, Gamma-isomers)	0,5
	DDT and its metabolites		0,05
	Mercury-organic pesticides		Not allowed
	2,4-D acid, its salts, esters		Not allowed
	Infestation with pests		Not allowed
4	**Soybeans**		
	a) Toxic elements:	Mercury	0.02
		Cadmium	0.1
		Lead	0.5
		Arsenic	0.3

	b) Mycotoxins:	Aflatoxin B[1]	0.002
		T- 2 toxin	0.06
		Zearalenone	0.1
		Ochratoxin A	0.005
	Urea's activity		0.1-0.2
	Nitrates		Not more than 450
	Nitrites		Not more than 10
	c) pesticides	Data on the use of pesticides in production, storage and transportation of products are required from each country - supplier of products.	
5	**Tapioca**		
	a) Natural contaminants:	Isocyanides	20
	b) Mycotoxins:	T- 2 toxin	0.06
		Zearalenone	0.1
	c) pesticides	Data on the use of pesticides in production, storage and transportation of products are required from each country - supplier of products.	
6	**Peanut meal:**		
	a) Mycotoxins:	Aflatoxin B[1]	0.002
		T- 2 toxin	0.06
		Zearalenone	0.1
		Ochratoxin A	0.005
	Nitrates		Not more than 200
	Nitrites		Not more than 10
	b) pesticides	Data on the use of pesticides in production, storage and transportation of products are required from each country - supplier of products.	
7	**Sunflower meal (ordinary, toasted)**		
	a) Toxic elements	Mercury	0.02
		Cadmium	0.4
		Lead	0.5
		Arsenic	0.5
	b) Mycotoxins:	Aflatoxin B[1]	0.05
		T- 2 toxin	0.1
		Zearalenone	1.0
		Ochratoxin A	0.05
		Desoxynivalenol	1.0
	c) pesticides	Data on the use of pesticides in production, storage and transportation of products are required from each country - supplier of products.	
8	**Soybean meal**		
	a) Toxic elements	Mercury	0.02
		Cadmium	0.4

		Lead	0.5
		Arsenic	0.5
	b) Mycotoxins:	Aflatoxin B[1]	0.05
		T- 2 toxin	0.1
		Zearalenone	1.0
		Ochratoxin A	0.05
		Desoxynivalenol	1.0
	c) pesticides	Data on the use of pesticides in production, storage and transportation of products are required from each country - supplier of products.	

The total beta - activity should not exceed 600 Becquerel per 1 kg in all the listed products.

Feeds produced without the use of genetically modified components may contain not more than 0.5 % of non-registered GM lines and/or not more than 0.9 % of each of registered GMO components.

Feeds produced with use of genetically modified components may contain not more than 0.5% of each of non-registered genetically modified components.

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[i] Information on the Custom Union regulations concerning imports of agricultural and food products is in the GAIN report RS1036 Custom Union Update July 2010 _ Moscow _ Russian Federation _ 7/26/2010

[ii] Source: Custom Union Decision #317 of June 18, 2010, and Custom Union Decision #342 of August 17, 2010